Gigabit Ethernet PCI Express Card

User Manual
Ver. 1.00

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Introduction

This card is the best solution for Gigabit Ethernet PCI Express and the interface has a potential transfer rates of 2.5 Gbps using a single-lane (or x1) PCI Express link. This card is a 10\/100\/1000M Gigabit Ethernet PCI Express Card, which is specifically designed to plug into a desktop equipped with an available x1, x4, x8 or x16 PCI Express slot. It provides throughput and connectivity at Gigabit speeds up to 1000 Mbps (1Gbps) raw bandwidth, this is 100 times faster than the original Ethernet, yet is compatible with existing Ethernet.

Features

1. Designed to meet PCI Express Specification Revision 1.0a
2. Supports 1-Lane 2.5Gbps PCI Express Bus
3. Fully Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
4. Integrated 10/100/1000 transceiver
5. LEDs indicate the status of data transmission
6. Wake-on-LAN and remote wake-up support
7. Feature full duplex mode that doubles the network connections speed
8. Microsoft NDIS5, NDIS6 Checksum Offload (Ipv4, Ipv6, TCP, UDP) and Segmentation Task-offload (Large send v1 and Large send v2) support

System Requirements

- Windows 8, Windows 7/Vista/XP
- 2000/ME/98SE/Server 2003-2008 32/64-bit
- Linux, MAC OS 10. 5 or later, DOS

Package Contents

- 1 x Gigabit Ethernet PCIe Card
- 1 x Driver CD
- 1 x User Manual
- 1 x Low Profile Bracket

Note: Contents may vary depending on country/market

Hardware Installation

1. Turn off the power to your computer
2. Unplug the power cord and remove your computer's cover
3. Remove the slot bracket from an available PCIe slot
4. To install the card, carefully align the card's bus connector with the selected PCIe slot on the motherboard. Push the board down firmly.
5. Replace the slot bracket's holding screw to secure the card
6. Replace the computer cover and reconnect the power cord

Driver Installation

For Windows® 2000, 2003, XP

1. Please insert the CD driver into your CD ROM.
2. Into the CD ROM (**H:\Realtek\RTL8111\Win2K_XP_Server2003**)
3. Double click **"setup"**
4. Follow the on-screen instructions to complete the installation.
5. Restart windows to complete the installation.

For Windows® Vista/ 7/ 8

1. Turn on your computer.
2. Once Windows is running, a new network controller card is detected.
3. If the Windows asks for driver for the network controller card, then insert Driver CD into the optical driver (Assume the optical driver letter is H)
4. Browse to the following path (Assume the Windows OS used is Windows 8)
   H: **Realtek\RTL8111\Win 8**
5. Execute **"setup.exe"** to install the driver.

Verifying for Windows 2K_2003_XP

1. Click on the "Device Manager" tab in the Windows Control Panel. Computer > Manage > Device Manager
2. Entry "Network adapters" tem, and you can read "Realtek PCIe GBE Family Controller" in the Device Manager